

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (currently amended) A medical device, comprising:
a balloon comprising:
 a first portion having a first length; and
 a second portion disposed on a selected portion of the first portion, the second portion having a second length, wherein the second portion defines an outer surface of the balloon;
 wherein the first portion varies in thickness along the first length and the second portion varies in thickness along the second length,
 wherein the balloon has a body portion and a cone portion and wherein the first portion has a greater thickness at the body portion than at the cone portion.
2. (original) The device of claim 1, wherein the first and second portions have different compositions.
3. (original) The device of claim 1, wherein the first portion extends substantially the entire length of the balloon.
4. (original) The device of claim 1, wherein the first and second portions have different hardness.
5. (original) The device of claim 1, wherein the second portion is softer than the first portion.
- 6-7. (canceled)

8. (original) The device of claim 1, wherein the second portion is disposed substantially entirely on the first portion.

9. (withdrawn) The device of claim 1, wherein the balloon has a body portion defined substantially entirely by the first portion.

10. (previously presented) The device of claim 1, wherein the thickness of the first portion is generally constant in the cone portion.

11. (withdrawn) The device of claim 1, wherein the balloon has a cone portion, and the thickness of the first portion varies over a portion of the cone portion.

12. (previously presented) The device of claim 1, wherein the thickness of the second portion is generally constant in the cone portion.

13. (withdrawn) The device of claim 1, wherein the balloon has a cone portion, and the thickness of the second portion varies over a portion of the cone portion.

14. (currently amended) The device of claim 1, wherein the body portion and the cone portion portions extend substantially the entire length of the balloon.

15. (withdrawn) The device of claim 1, wherein the portions vary continuously in thickness along the length of the balloon.

16. (withdrawn) The device of claim 1, wherein one of the portions includes a step-wise change in thickness along the length of the balloon.

17. (previously presented) The device of claim 1, wherein the cone portion is more flexible than the body portion.

18. (withdrawn) The device of claim 1, wherein the balloon has a proximal portion and a distal portion that is more flexible than the proximal portion.

19. (withdrawn) A medical device, comprising:
a balloon comprising
a first portion; and
a second portion disposed on a selected portion of the first layer, the second portion varying in thickness.

20. (withdrawn) The device of claim 19, wherein the second portion is softer than the first portion.

21. (withdrawn) The device of claim 19, wherein the first and second portions have different hardness.

22. (withdrawn) The device of claim 19, wherein the balloon has a body portion and a cone portion, and the second portion is thinner on the body portion than on the cone portion.

23. (withdrawn) The device of claim 19, wherein the balloon has a body portion substantially free of the second portion.

24. (withdrawn) The device of claim 19, wherein the balloon has a body portion and a cone portion that is more flexible than the body portion.

25. (withdrawn) The device of claim 19, wherein the first portion extends substantially the entire length of the balloon.

26. (withdrawn) The device of claim 19, wherein the second portion extends substantially the entire length of the balloon.

27-38. (canceled)

39. (withdrawn) A method of making a medical device, comprising:
forming a tube comprising a first layer and a second layer, the first layer varying in
thickness; and
forming the tube into a medical balloon.

40. (withdrawn) The method of claim 39, wherein the tube is extruded.

41. (withdrawn) The method of claim 39, wherein forming the tube into the
medical balloon comprises blow molding.

42. (withdrawn) The method of claim 39, wherein the second layer varies in
thickness.

43. (currently amended) A medical balloon, comprising:
a plurality of layers including a first layer formed of a first material and a second layer
formed of a second material different than the first material,
wherein the first layer defines an inner surface of the balloon,
wherein the second layer defines an outer surface of the balloon,
wherein the first layer varies in thickness axially along the balloon and includes a first
thickness adjacent a waist portion of the balloon and a second thickness greater than the first
thickness adjacent a body portion of the balloon, and
wherein the second layer varies in thickness axially along the balloon.

44. (previously presented) The balloon of claim 43, wherein the balloon comprises
a tapered portion, the body and tapered portions having different stiffness.

45. (canceled)

46. (new) A medical balloon, comprising:
a plurality of layers including a first layer formed of a first material and a second layer formed of a second material different than the first material,
wherein the first layer and the second layer are free of a sponge coating,
wherein the first layer varies in thickness axially along the balloon and includes a first thickness adjacent a waist portion of the balloon and a second thickness greater than the first thickness adjacent a body portion of the balloon, and
wherein the second layer varies in thickness axially along the balloon.

47. (new) The medical balloon of claim 46, wherein the first layer and the second layer are free of a drug.